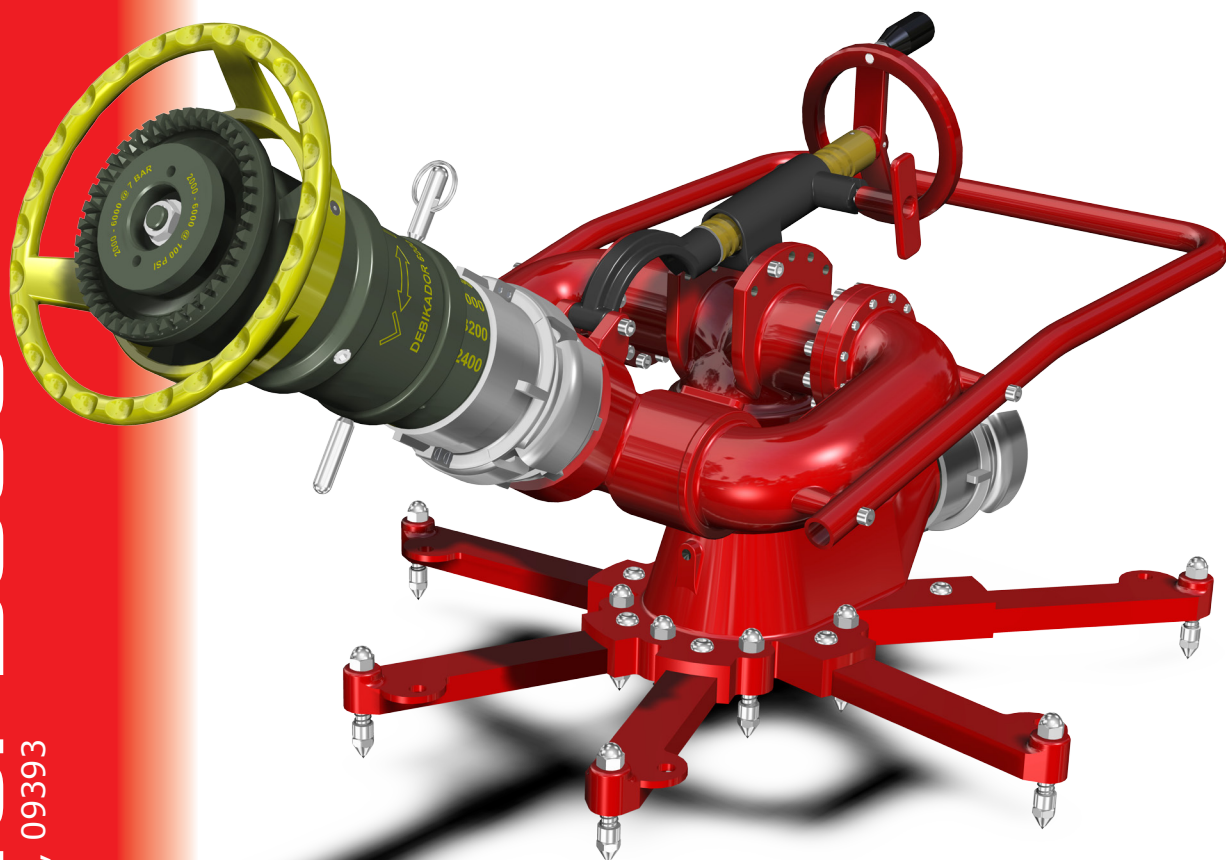


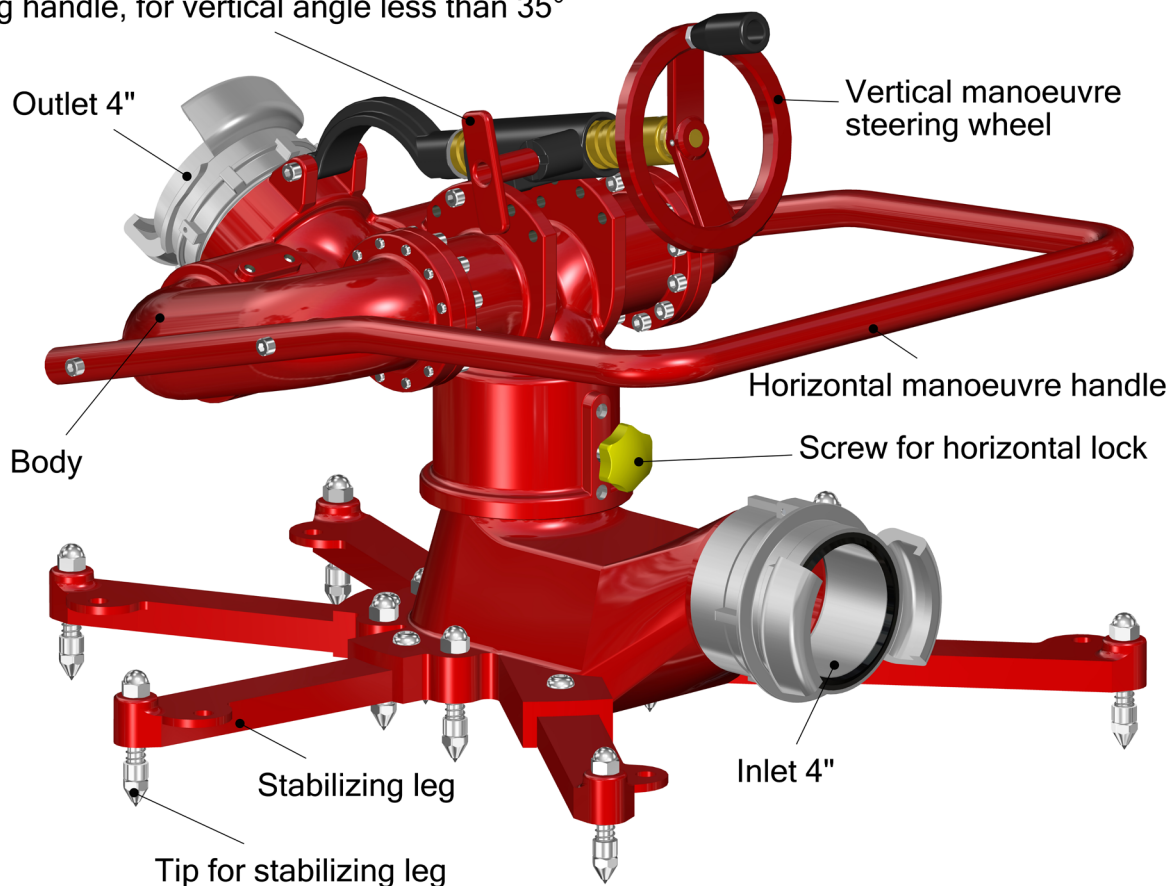
# Minotor 5000

Reference : 03578, 09393



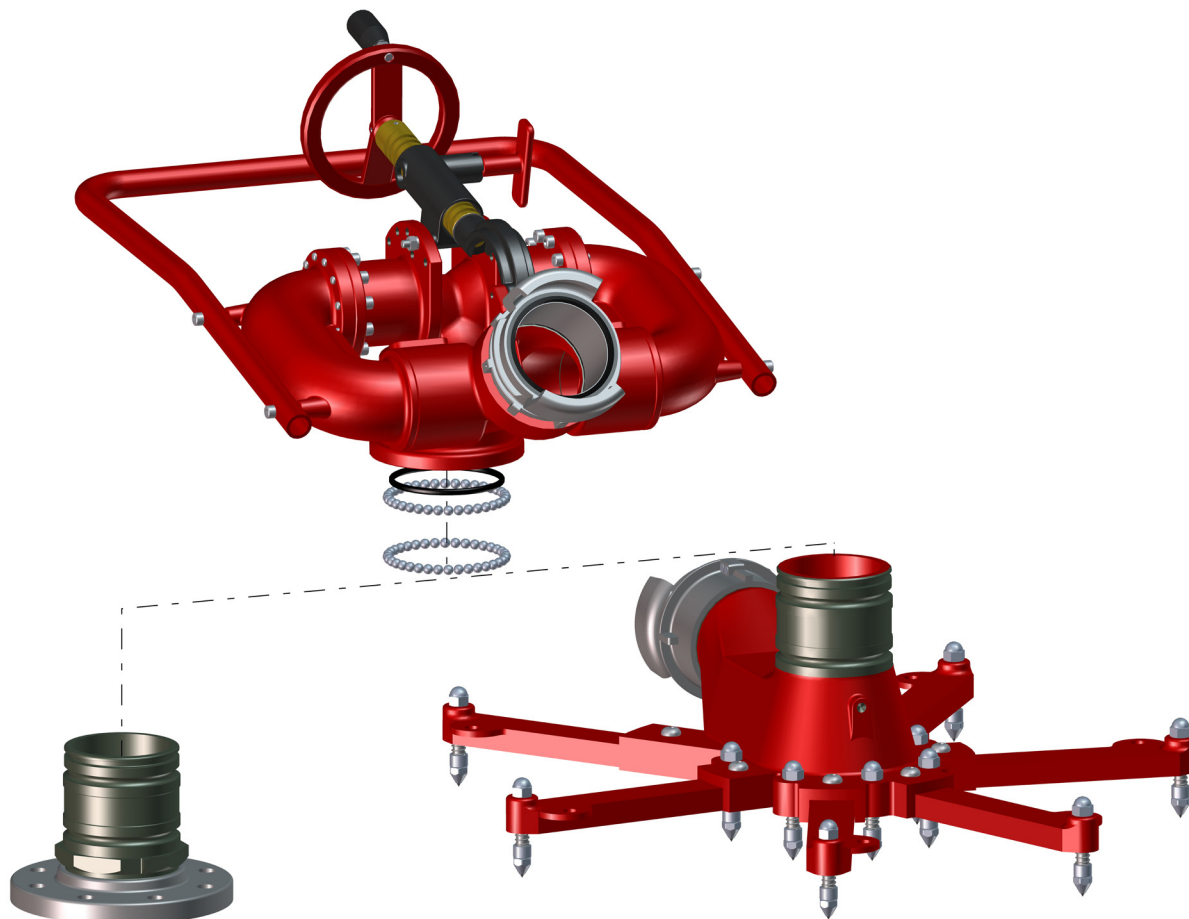
- Presentation
- Options
- Overall dimensions
- Exploded view
- Bill of materials
- Warning
- User manual
- Maintenance

Unlocking handle, for vertical angle less than 35°



**Working pressure :** 7 bar  
**Working pressure max. :** 16 bar  
**Flow rate @ 7 bar (100 PSI) :** 5000 l/min (1250 GPM)  
**Vertical range :** 0° à +75°  
**Horizontal range :** 360°  
**Security point on vertical range\* :** 35°  
**Construction :** Alliage d'aluminium  
**Inlet :** 4"  
**Outlet :** 4"

\*Automated locking system on vertical range on a defined angle. The security is removable by using the unlocking handle.



The Minotor 5000 is deliverable with two base type. One is a fix base (with ISO or ASA flange) and the other one is a portable base.

Would you please tell us which model you would like and also the flange or coupling type.

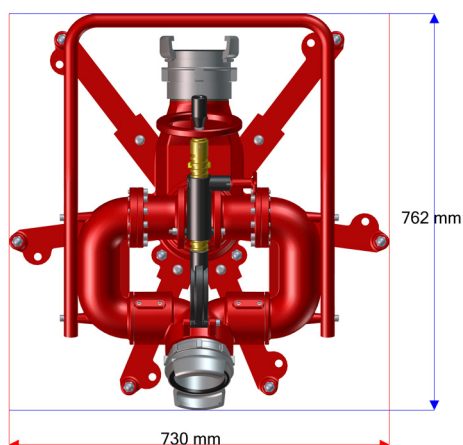
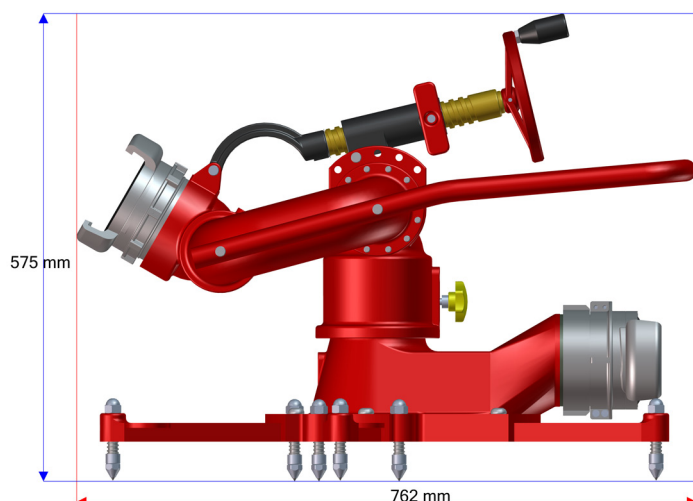
**References (without outlet) :**

Monitor + portable base : 03578

Monitor + fix base : 09393

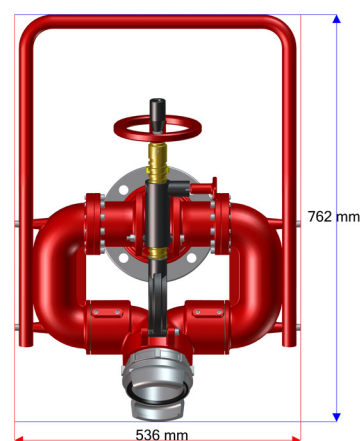
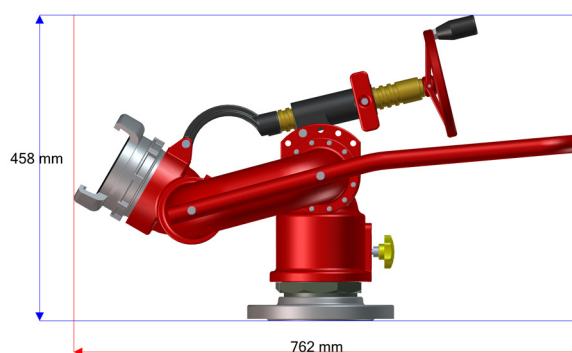
**Important :** It's not possible to change easily from one base type to another. It requires to take apart a part of the Minotor 5000.

## Portable base :



**Weight : 27 kgs**

## Fix base :



**Weight : 20 kgs**

Estimated weight without outlet equipment

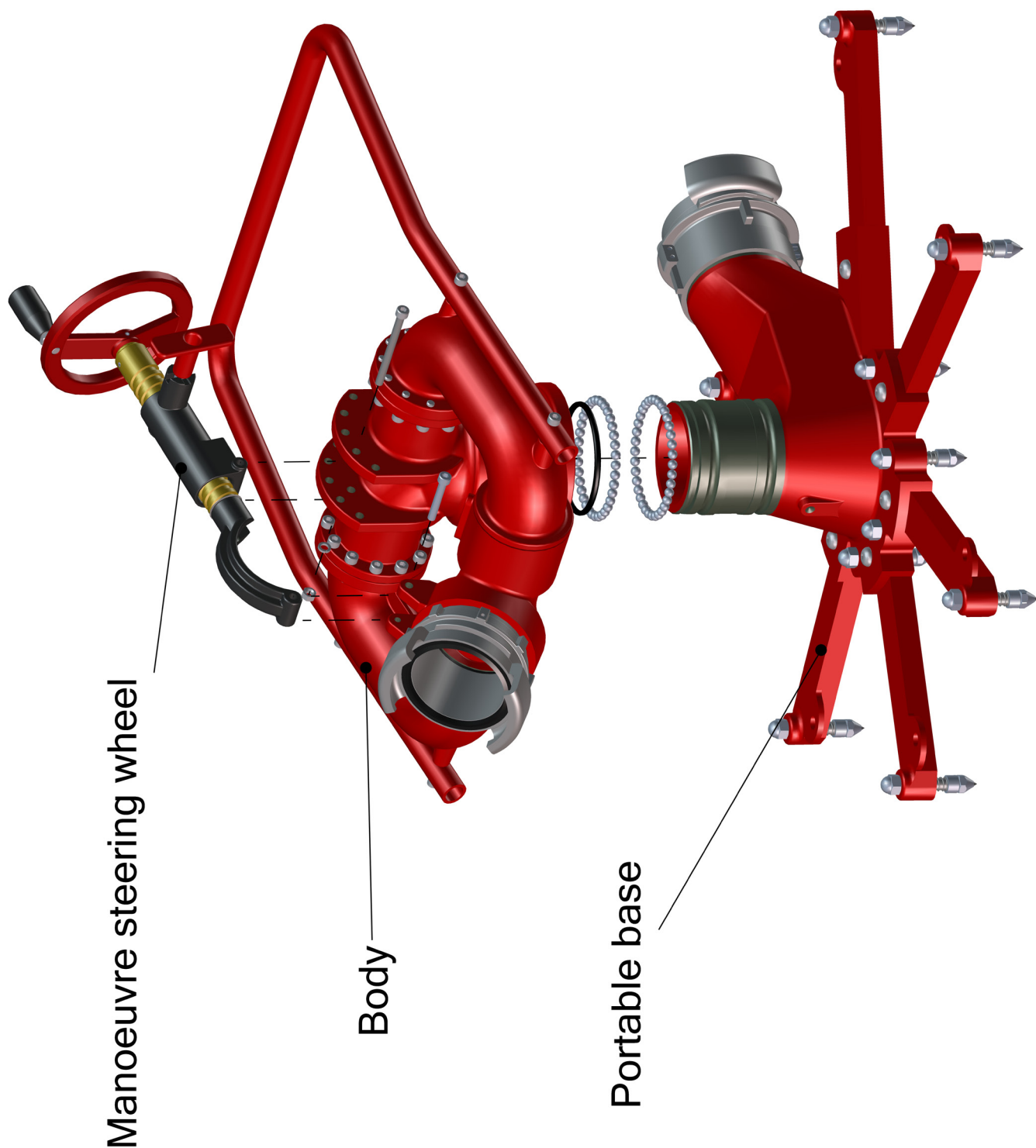
POK SA - ZI Les Guignons - 10400 Nogent-sur-Seine - FRANCE  
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# Exploded view

## Index

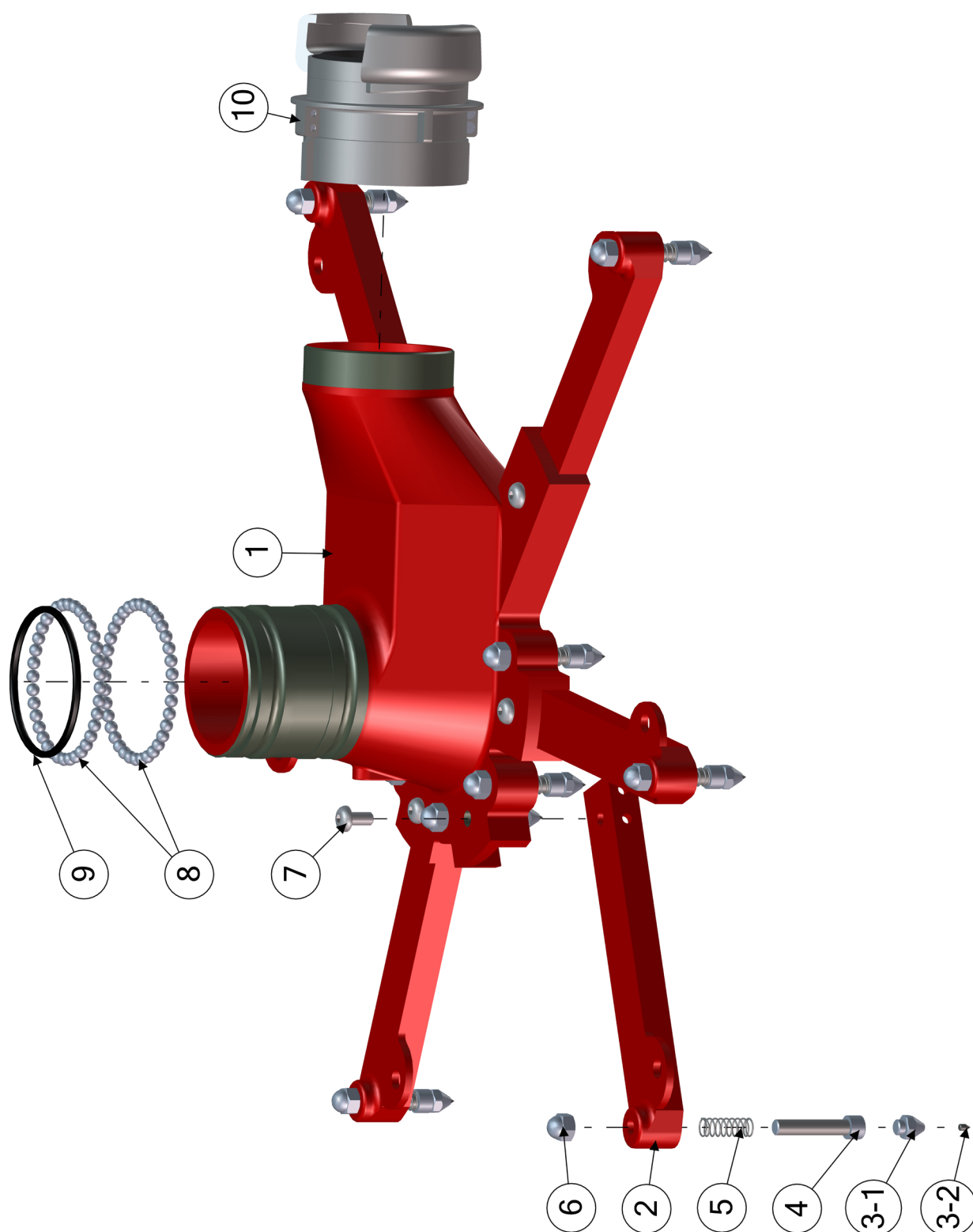


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# Exploded view

Portable base



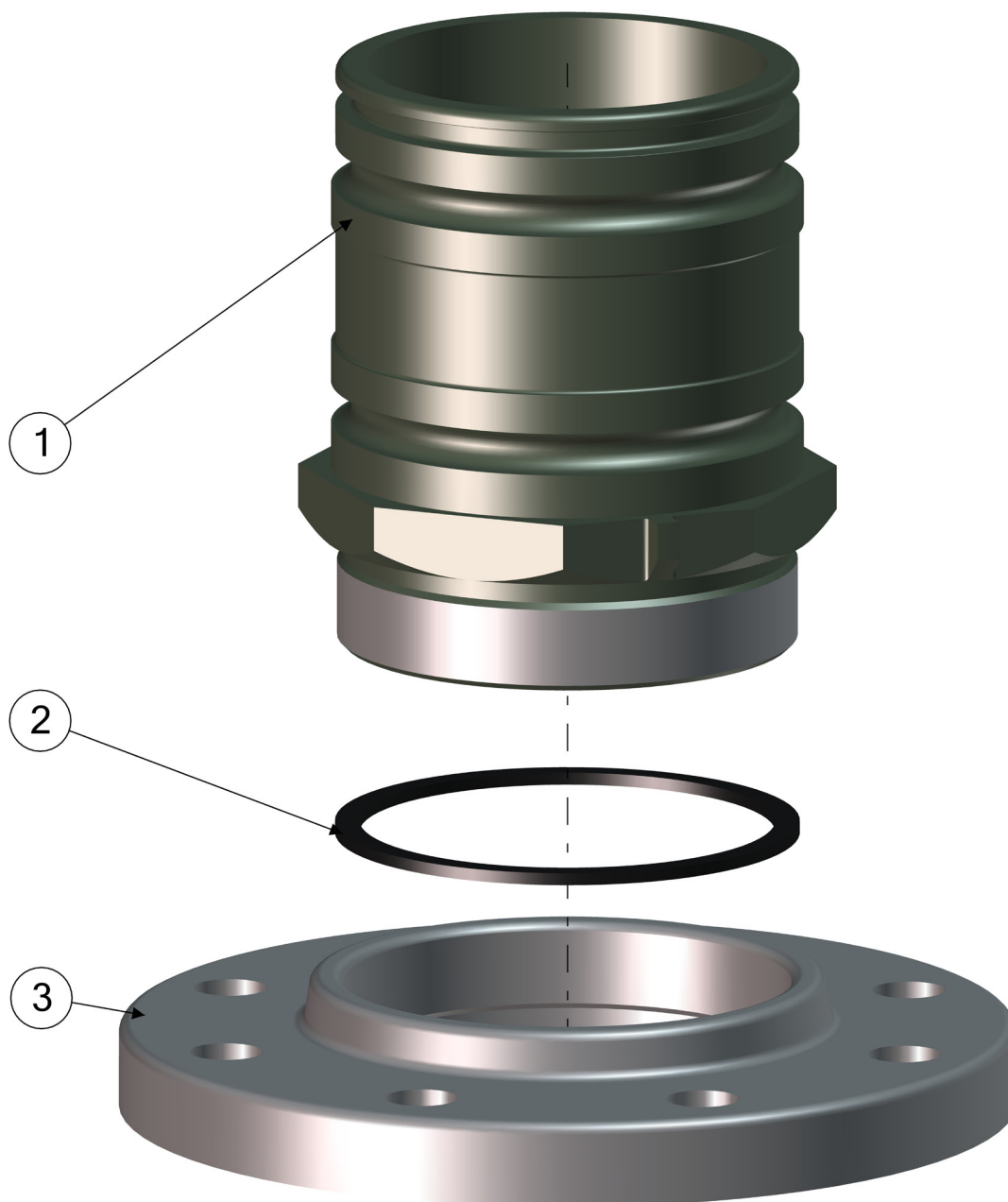
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# Bill of materials

Portable base

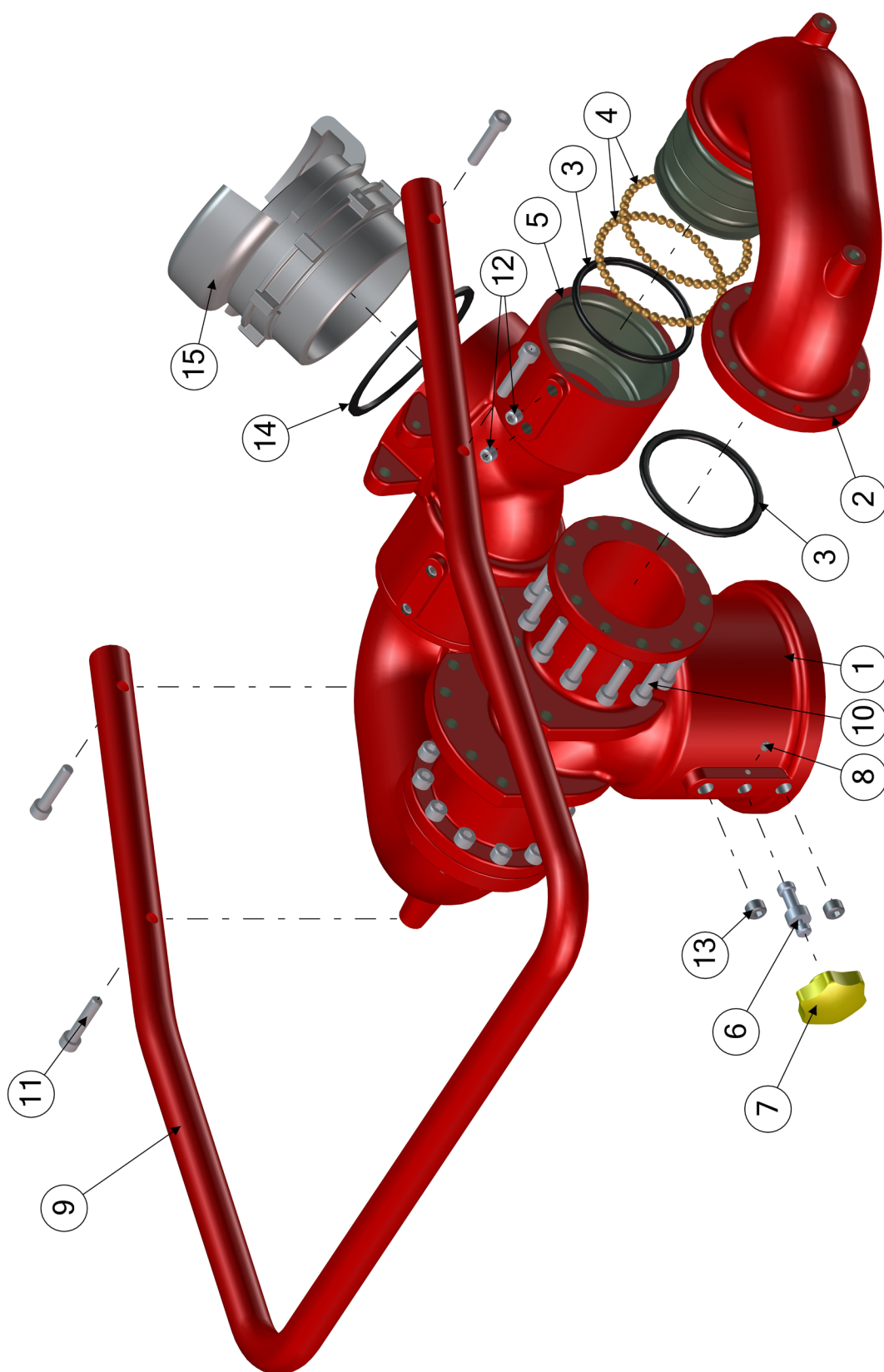
REP	QTY	DESCRIPTION	REF
1	1	Body	3737
2	6	Leg	3184
3-1	11	Tip holder	10867
3-2	11	Tip	10868
4	11	Screw CHC M12x60	-
5	11	Spring	3173
6	11	Nut M12	-
7	6	Screw TBHC M12-25	-
8	72	Ball Ø10	-
9	1	Seal R49	-
10	1	Inlet coupling 4"	-



REP	QTY	DESCRIPTION	REF
1	1	Inlet Male thread 4" - Swivel	3473
2	1	Seal 4" BSP	-
3	1	Flange Female Hthread ISO PN16 DN100	3699
		<b>OU</b>	
		Flange Female Thread DN 4" ASA 150 PN20	2092



# Exploded view Body



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# Bill of materials

Body

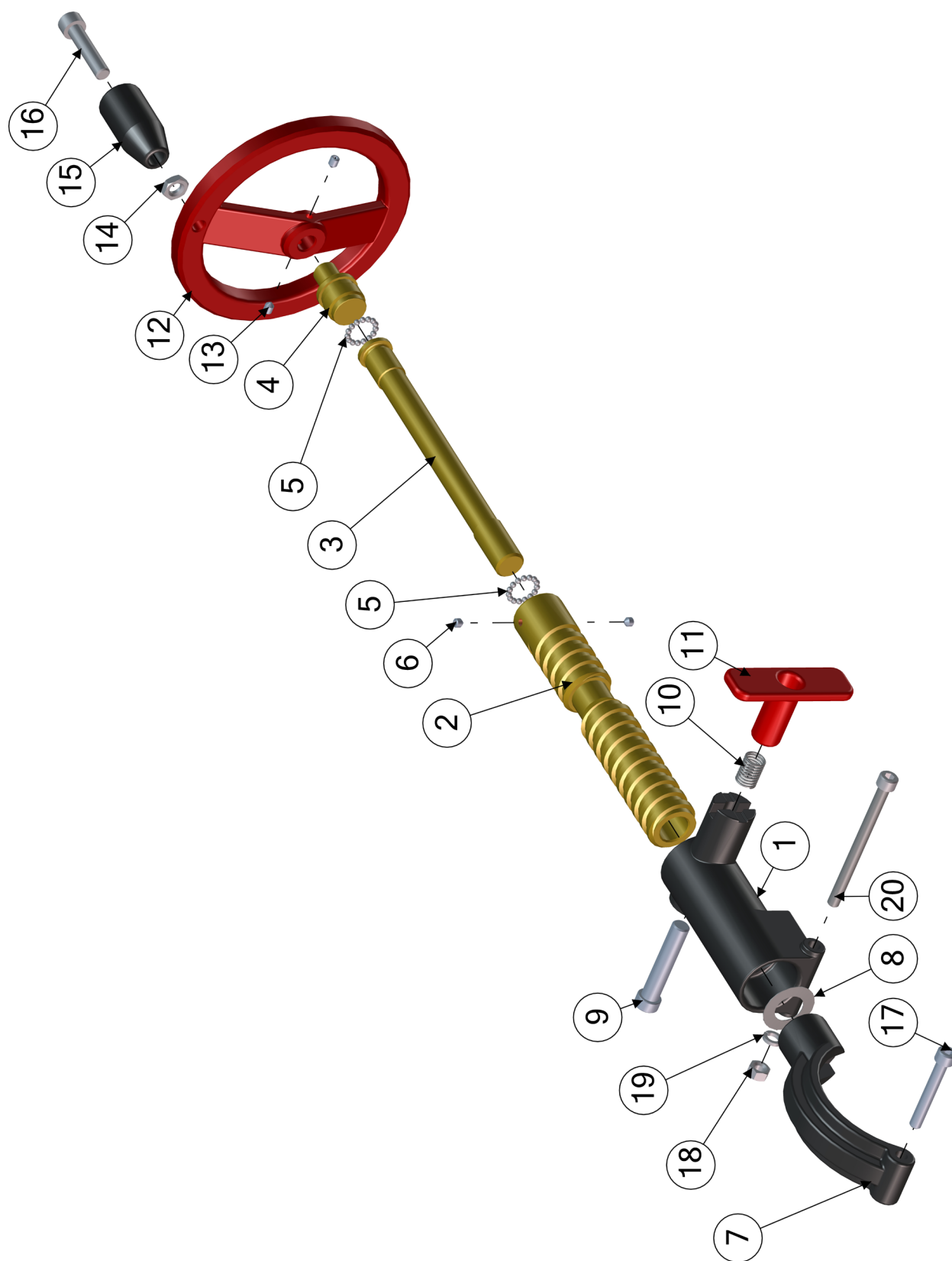
REP	QTY	DESCRIPTION	REF
1	1	Body	3477
2	2	Arm	3049
3	3	Seal R40	-
4	176	Ball Ø6,35	-
5	1	Siamese	3476
6	1	Horizontal locking screw	17629
7	1	Buton Ø50 M10	14347
8	1	Screw STHC PL M5-6	-
9	1	Manoeuvre bar	1475
10	24	Screw CHC M8-30	-
11	4	Screw CHC M8-40	-
12	4	Top HC 1/8 BSP	-
13	2	Top HC 1/4 BSP	-
14	1	Flat seal FF 4" BSP	-
15	1	Outlet coupling 4"	-





# Exploded view

Manoeuvre steering wheel



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# Bill of materials

## Manoeuvre steering wheel

REP	QTY	DESCRIPTION	REF
1	1	Manoeuvre nut	2118
2	1	Manoeuvre screw	13108
3	1	Manoeuvre axe	13109
4	1	Steering wheel top	13110
5	30	Ball Ø4	-
6	2	Screw STHC TR M6-6	-
7	1	Connecting rod	2121
8	1	Washer CL Ø20 - 6xØ35x1,15	-
9	1	Stopper	2120
10	1	Spring	3173
11	1	Manoeuvre handle	3193
12	1	Steering wheel	3746
13	2	Screw STHC TR M6-8	-
14	1	Nut H M10	-
15	1	Swivel handle	3909
16	1	Screw CHC M10-45	-
17	1	Screw CHC M8-55	-
18	1	Nut H M8	-
19	1	Washer W8	-
20	1	Screw CHC M8-100	-



## Warning

The Minotor 5000 is made to work with a maximum flow rate of 5000 l/min (1250 GPM) and a pressure of 7 bar (100 PSI).

Only the trained staff and aware of the security rules are allowed to use or to maintain the monitor.

For the fix model, it is important to make sure the monitor is correctly screwed and that the support is able to resist to the reaction force (around 350 kgs for 5000 l/min - 1250 GPM @ 7 bar - 100 PSI on nozzle outlet).

For the portable model, it is important to attach the monitor with the belt included to a resistant support.

Do not go through the jet or do not target someone. This would have deadly consequences.

Taking apart the monitor out of the POK's workshop would result with a guarantee loss.

Do not modify the equipment, it might be working correctly or be dangerous at use.

Only POK SA is allowed to repair and guarantee the equipment to work well and without danger.

If part are changed anywhere else, it is important to make the procedure to bring back into service to be sure that the product works well.

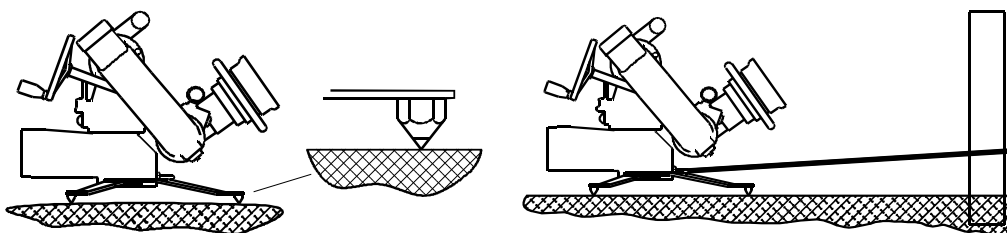
**POK SA can't be responsible of the damage cause following to a take apart outside the POK's workshop, modification or bad use of the equipment.**

## • introduction :

Would you please read the following information before using the product. Ignoring those informations might be dangerous.

The Minotor 5000 is made to work with a flow rate of 5000 l/min (1250GPM) @ 7 bar (100PSI).

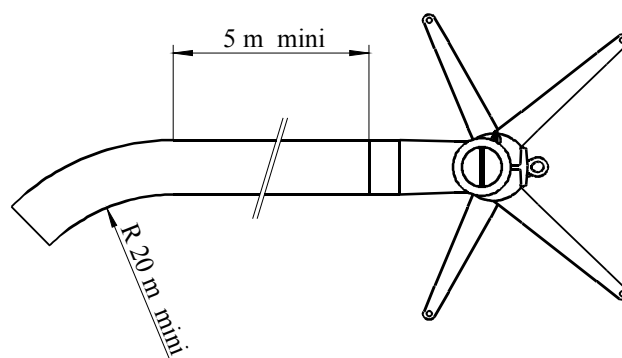
## • Startup :



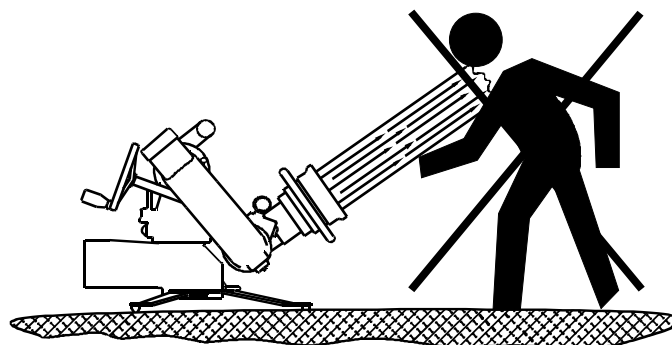
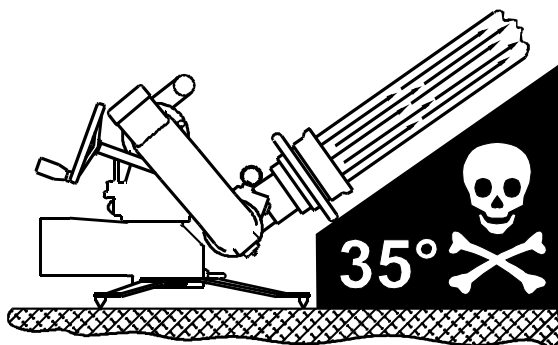
- No parts must be missing or damaged.

**The following instruction only concerns the portable model :**

- The tip must all be in touch with the floor.
- The monitor must be attached with the included belt.



- 5m of straight pipe behind the monitor.



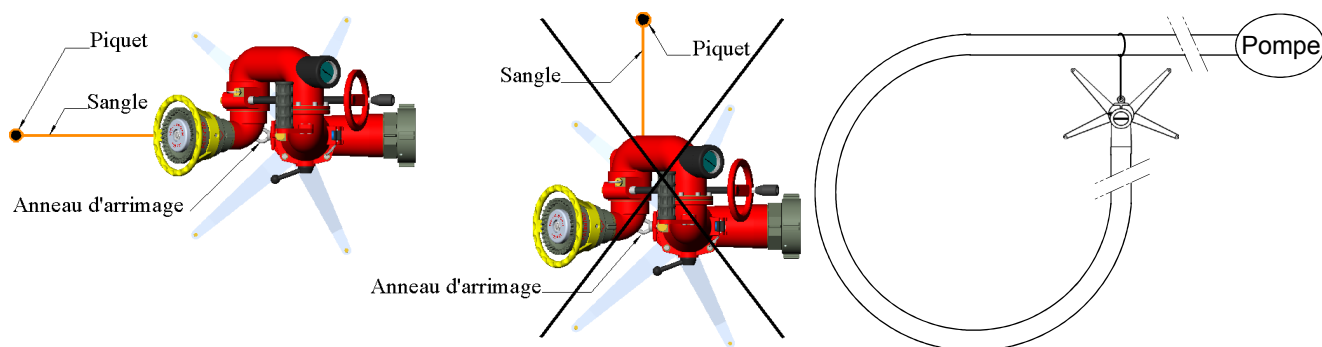
**The following instruction concerns both models (fix and portable) :**

- Vertical angle over 35°.
- The monitor must target a non dangerous point.
- In use, do not move the monitor, the pipe or the belt.

## • Stowing (portable model only) :

The monitor must be attached to the floor with the included belt (stake, support in contact with the floor, or pipe stowing). The stowing point must be placed in the same axe than the target.  
In some case, as a vertical angle less than 35° or over 90°, or an unstable soil (ex : sand, mugg...), the monitor might slide or take off.

Example of stowing :





# Maintenance

## • Maintenance :

In order to guarantee the working order, it is important to clean up the Minotor 5000 with clear water after every use, to make sure the moving parts move, no parts must be hard to move or be blocked. Regularly check if the monitor is not leaking.

To not use corrosive products to clean up the minotor 5000, it would cause leaking by damaging the seals.

## • Spare parts :

Some parts as seals or tips might require to be changed more or less depending on uses condition or storage.

Would you please contact our commercial department to get informed about tariffs and/or return conditions.

Please use the bill of materials included in this document to identify the parts to change.

## • Process to bring back to service :

This procedure must be done before bringing back to service the equipment :

- No parts must be missing.
- No parts must be damaged
- Connect the monitor using the user manual.
- Put a cap on the outlet and test the monitor by putting it under pressure, increase the pressure slowly to reach 12 bar. Let it under pressure for about 10 min. During this period, make sure there is no leaking.
- Put a nozzle on the outlet and test it in real use condition with a pressure of 7 bar. Make sure everything is moving well. This must last about 10 min.

If no malfunction are seen, then the monitor might be bring back to service.